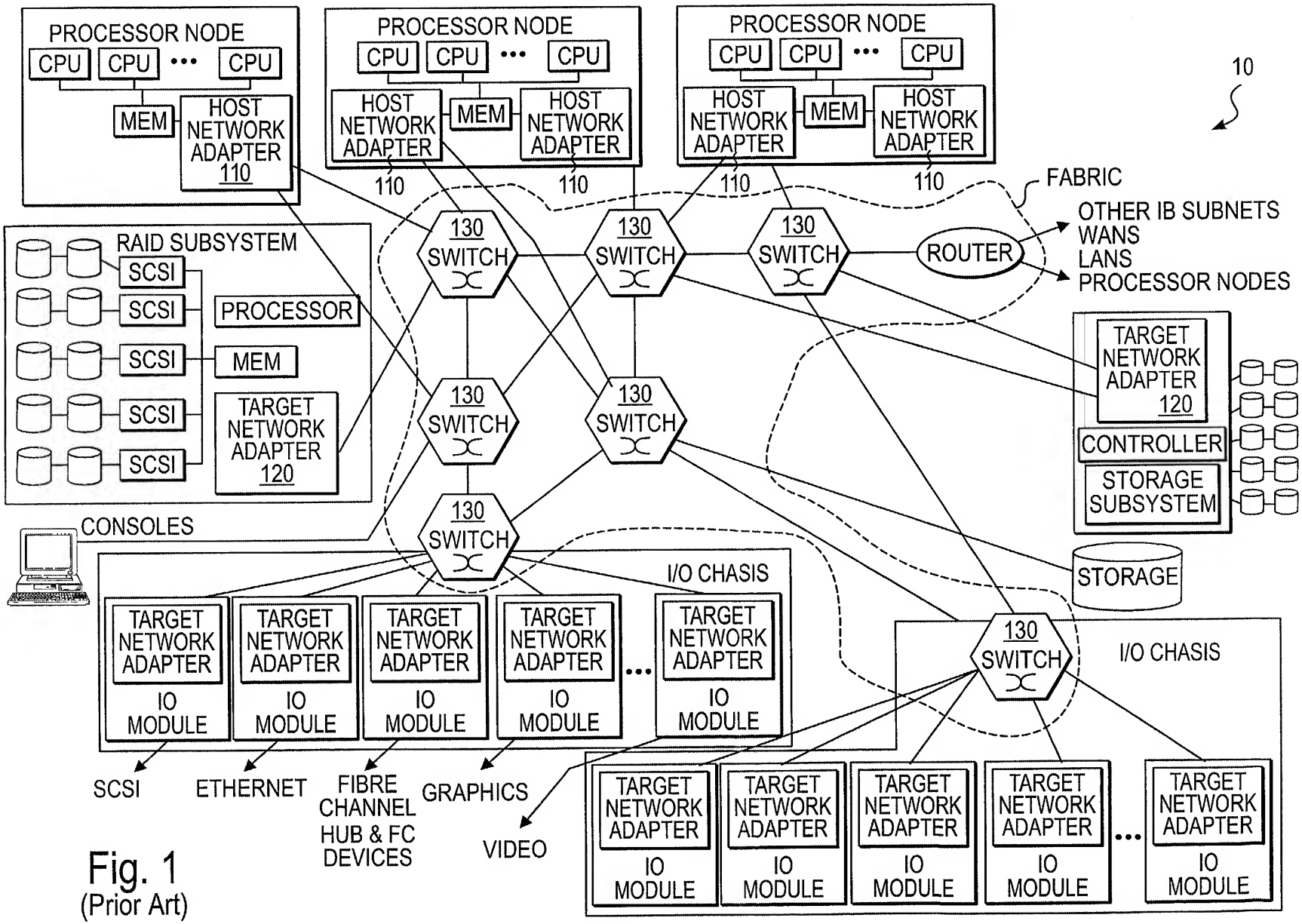

Fig. 1
(Prior Art)

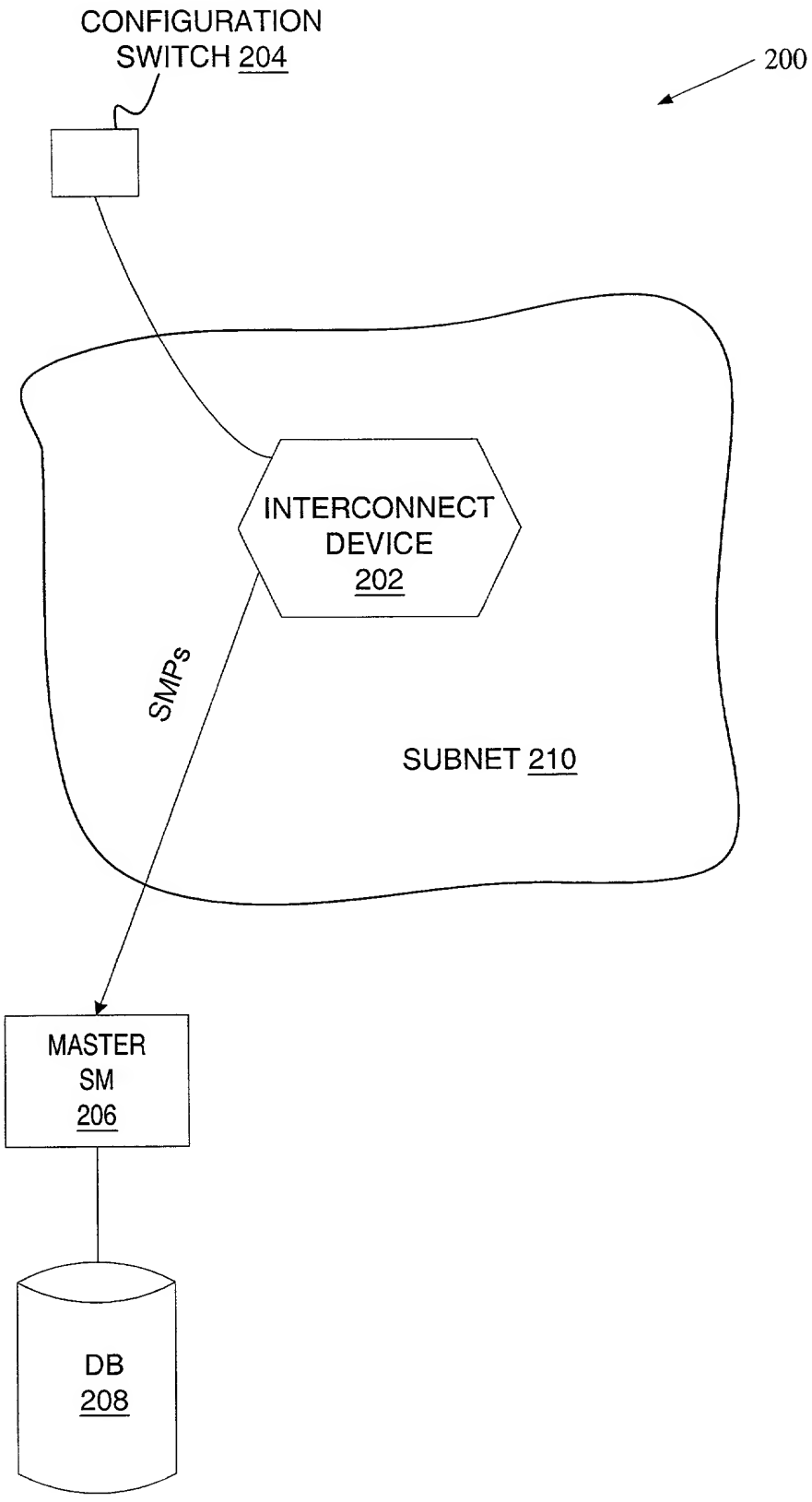
CONFIGURATION
SWITCH 204
200
INTERCONNECT
DEVICE
202
SMPs
SUBNET 210
MASTER
SM
206
DB
208

FIG. 2

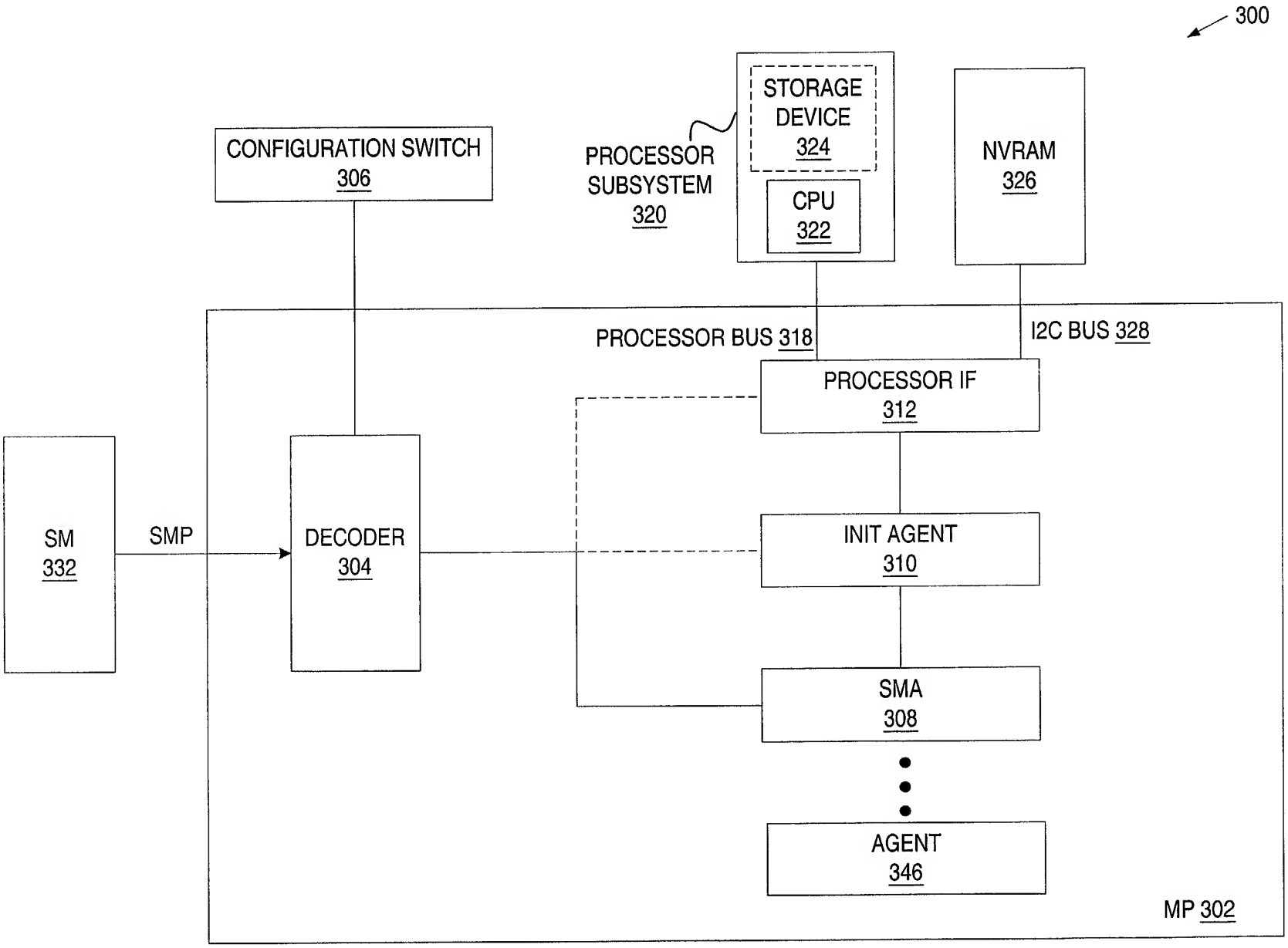
300
STORAGE DEVICE 324
CPU 322
PROCESSOR SUBSYSTEM 320
CONFIGURATION SWITCH 306
NVRAM 326
PROCESSOR BUS 318
I2C BUS 328
PROCESSOR IF 312
SM 332
SMP
DECODER 304
INIT AGENT 310
SMA 308
AGENT 346
MP 302

FIG. 3

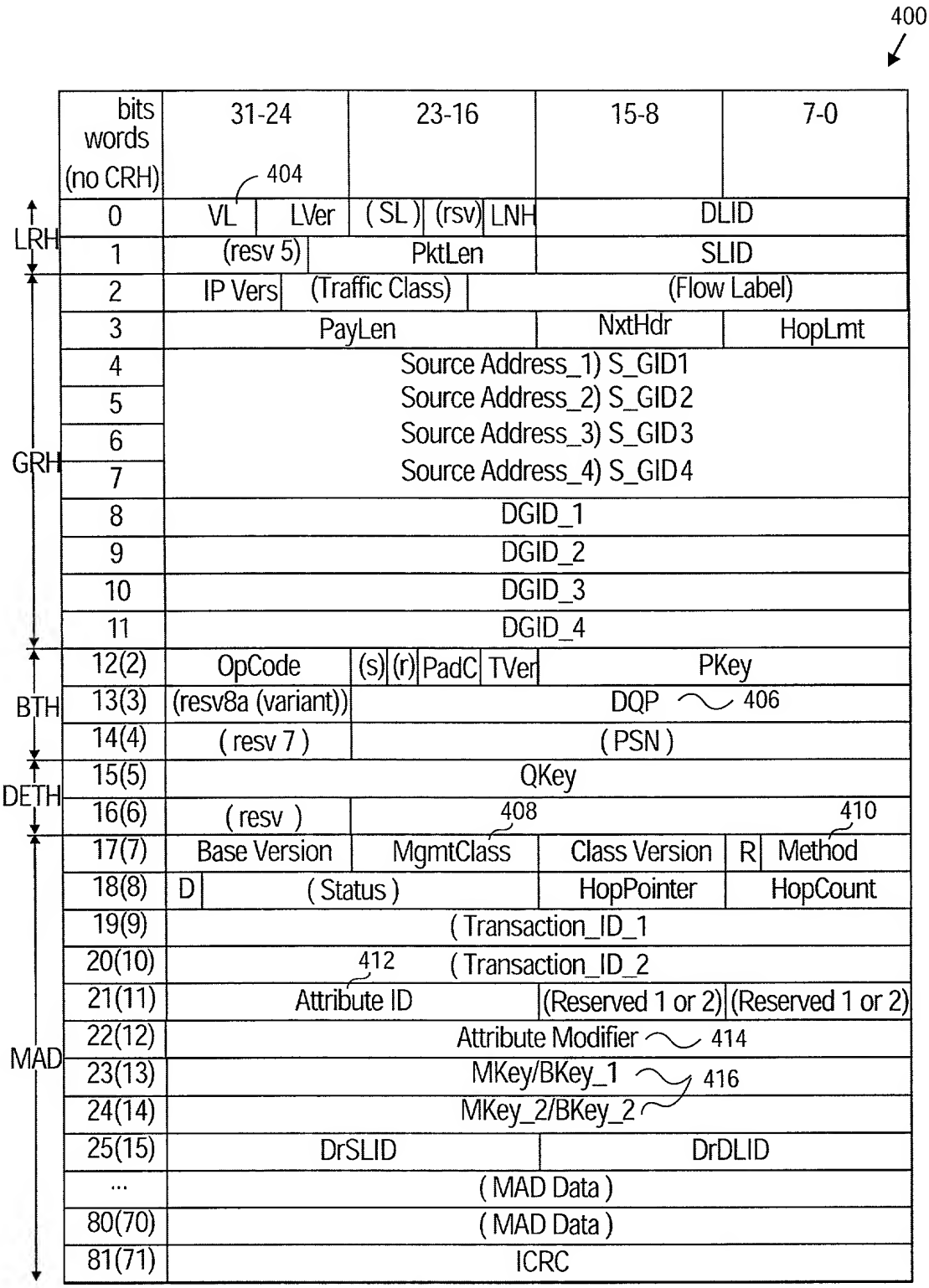
400
bits
words
(no CRH)
31-24
23-16
15-8
7-0
404
LRH
GRH
BTH
DETH
MAD
0
VL
LVer
(SL)
(rsv)
LNH
DLID
1
(resv 5)
PktLen
SLID
2
IP Vers
(Traffic Class)
(Flow Label)
3
PayLen
NxtHdr
HopLmt
4
5
6
7
Source Address_1) S_GID1
Source Address_2) S_GID2
Source Address_3) S_GID3
Source Address_4) S_GID4
8
DGID_1
9
DGID_2
10
DGID_3
11
DGID_4
12(2)
OpCode
(s)
(r)
PadC
TVer
PKey
13(3)
(resv8a (variant))
DQP
406
14(4)
(resv 7)
(PSN)
15(5)
QKey
16(6)
(resv)
408
410
17(7)
Base Version
MgmtClass
Class Version
R
Method
18(8)
D
(Status)
HopPointer
HopCount
19(9)
(Transaction_ID_1
20(10)
412
(Transaction_ID_2
21(11)
Attribute ID
(Reserved 1 or 2)
(Reserved 1 or 2)
22(12)
Attribute Modifier
414
23(13)
MKey/BKey_1
416
24(14)
MKey_2/BKey_2
25(15)
DrSLID
DrDLID
...
(MAD Data)
80(70)
(MAD Data)
81(71)
ICRC

Fig. 4

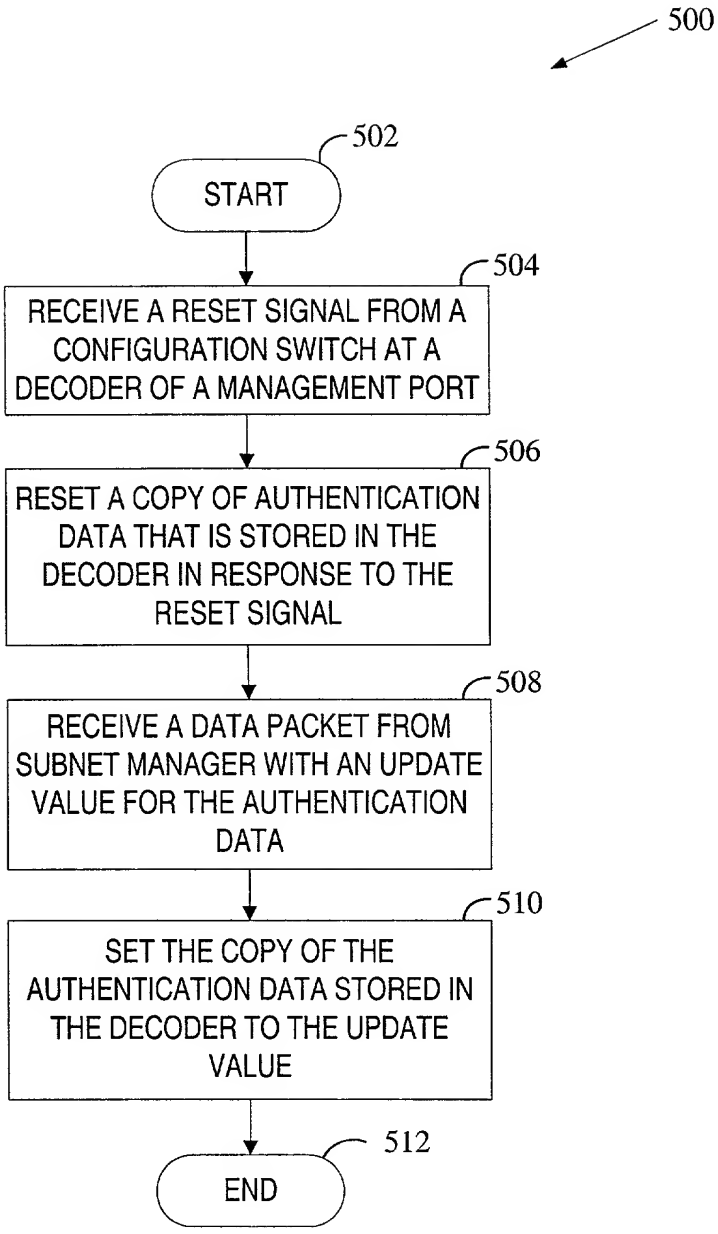
500
502
START
504
RECEIVE A RESET SIGNAL FROM A CONFIGURATION SWITCH AT A DECODER OF A MANAGEMENT PORT
506
RESET A COPY OF AUTHENTICATION DATA THAT IS STORED IN THE DECODER IN RESPONSE TO THE RESET SIGNAL
508
RECEIVE A DATA PACKET FROM SUBNET MANAGER WITH AN UPDATE VALUE FOR THE AUTHENTICATION DATA
510
SET THE COPY OF THE AUTHENTICATION DATA STORED IN THE DECODER TO THE UPDATE VALUE
512
END

FIG. 5

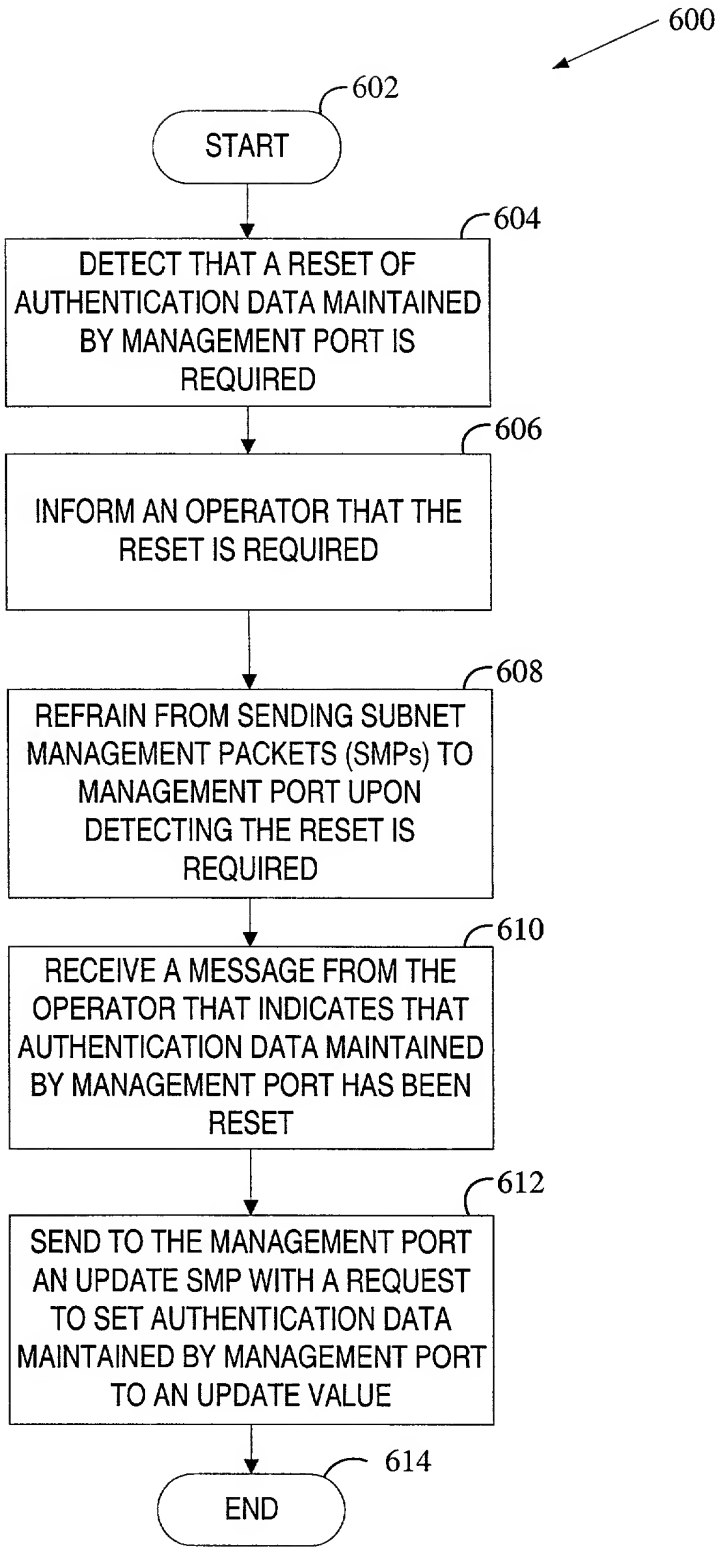
600
602
START
604
DETECT THAT A RESET OF AUTHENTICATION DATA MAINTAINED BY MANAGEMENT PORT IS REQUIRED
606
INFORM AN OPERATOR THAT THE RESET IS REQUIRED
608
REFRAIN FROM SENDING SUBNET MANAGEMENT PACKETS (SMPs) TO MANAGEMENT PORT UPON DETECTING THE RESET IS REQUIRED
610
RECEIVE A MESSAGE FROM THE OPERATOR THAT INDICATES THAT AUTHENTICATION DATA MAINTAINED BY MANAGEMENT PORT HAS BEEN RESET
612
SEND TO THE MANAGEMENT PORT AN UPDATE SMP WITH A REQUEST TO SET AUTHENTICATION DATA MAINTAINED BY MANAGEMENT PORT TO AN UPDATE VALUE
614
END

FIG. 6

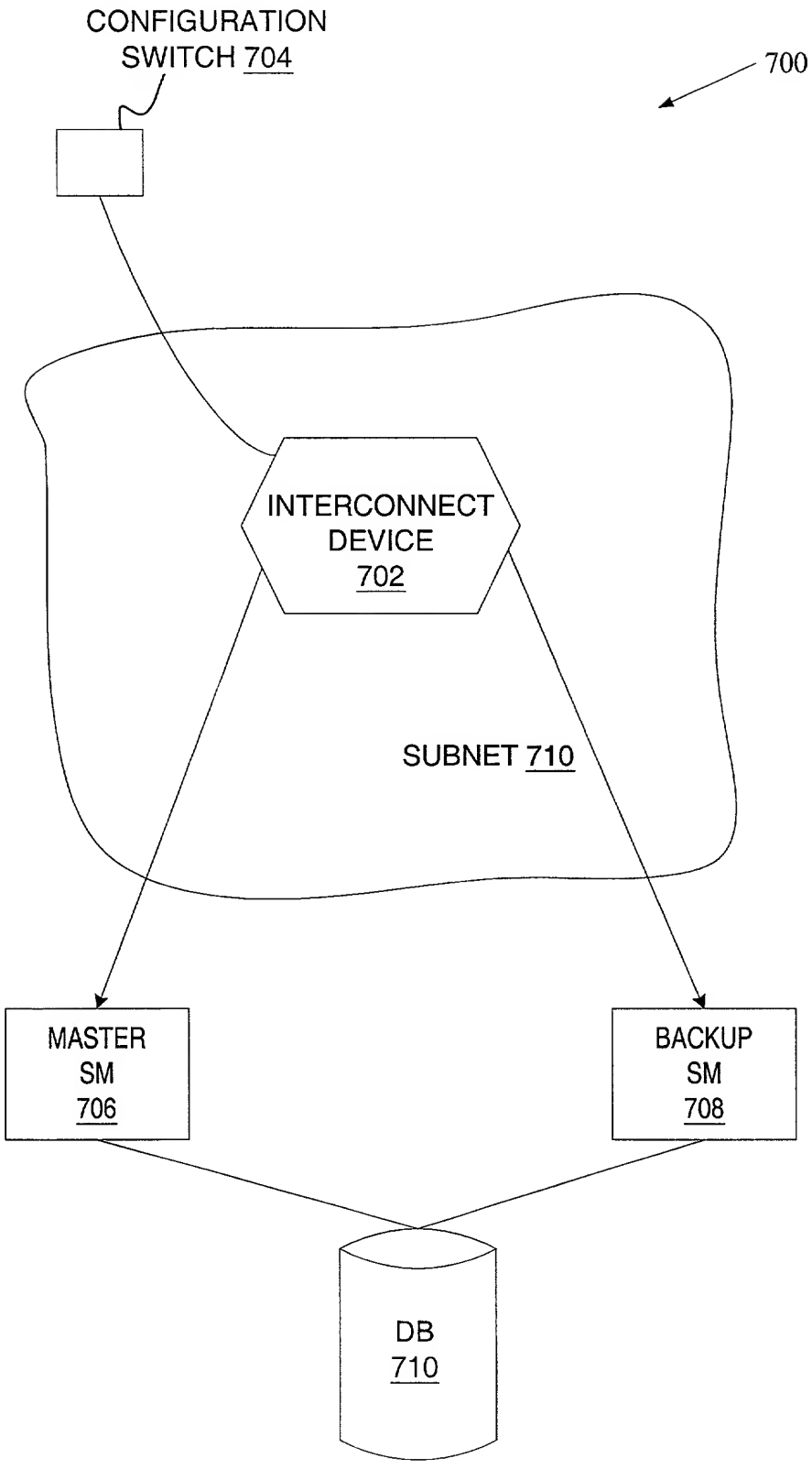
CONFIGURATION
SWITCH 704
700
INTERCONNECT
DEVICE
702
SUBNET 710
MASTER
SM
706
BACKUP
SM
708
DB
710

FIG.7A

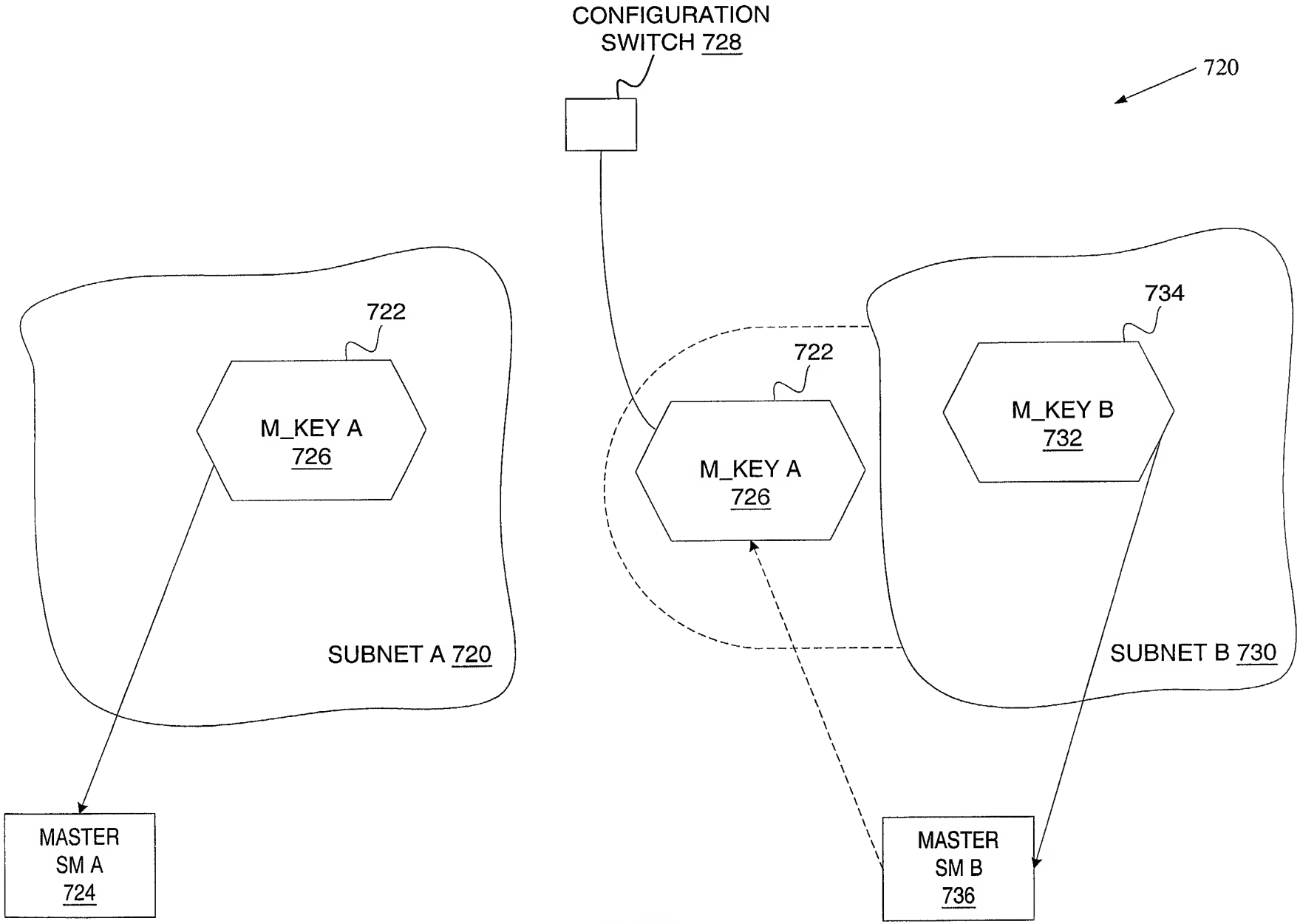
CONFIGURATION
SWITCH 728
720
722
M_KEY A
726
SUBNET A 720
MASTER
SM A
724
722
M_KEY A
726
734
M_KEY B
732
SUBNET B 730
MASTER
SM B
736

FIG.7B